

**510(k) Summary**  
**Nitrile Examination Gloves Powder Free, Black colour**

**1.0 Submitter:**

**Company Name:** Riverstone Resources Sdn. Bhd.

**Company Address:** Lot 55&56, No. 13 & 15 Jalan Jasmin 2  
Kawasan Perindustrian Bukit Beruntung,  
48300 Bukit Beruntung  
Selangor, Malaysia.

**Contact Person:** Ms Chong Chu Mee

**Telephone No:** +603-60283033

**Fax No:** + 603-60283022

**2.0 Name of the Device**

**Trade Name/ Proprietary Name:** RS BLACK Black Nitrile Medical  
Examination Gloves (Powder Free)

**Device Name:** Nitrile Patient Examination gloves

**Device Classification Name:** Patient Examination gloves (21 CFR 880.6250)

**Device Class:** Class I

**Product Code :** Nitrile – LZA

**3.0 Identification of The Legally Marketed Device:**

Class I patient Examination gloves, Powder Free, LZA and meets all the  
requirement of ASTM D 6319-10 and FDA 21 CFR 880.6250.

**Predicate Device:** RS Safe Blue Nitrile Medical Examination Gloves Powder  
Free (Non-Sterile) (K100603)

#### **4.0 Description of Device**

RS BLACK Black Medical Examination Nitrile gloves (powder free) as described in this 510(k) Notification is substantially equivalent to the current class I patient examination gloves with product Code LZA (21CFR 880.6250). It meets all the specifications in ASTM D6319-10, Standard Specification for Nitrile Examination Gloves. They are made from nitrile latex compound, black colour and powder free.

#### **5.0 Intended use of the Device**

RS BLACK Black Nitrile Medical Examination Gloves (Powder Free) is a disposable device intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner. The device is for over-the-counter use.

#### **6.0 Summary of the Technological Characteristics of the Devices compared to the Predicate Device for substantial equivalent discussion**

There is no different technology characteristics compared to the predicate device except colour. Gloves are made from nitrile latex compound, black colour and powder free. It is equivalent to K 100603, RS Safe Blue Nitrile Medical Examination Gloves Powder Free (Non-Sterile) except for colour.

K112924

## Appendix 2

<b>Characteristics</b>	<b>RS BLACK Black Nitrile Medical Examination Gloves Powder Free (Non-Sterile)</b>	<b>RS Safe Blue Nitrile Medical Examination Gloves Powder Free (Non-Sterile), K 100603</b>
<b>Product Code</b>	LZA	LZA
<b>Intended use</b>	RS BLACK Black Nitrile Medical Examination Gloves Powder Free (Non-Sterile) is a disposable device intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner. The device is for over-the-counter use.	RS Safe Blue Nitrile Medical Examination Gloves Powder Free (Non-Sterile) is a disposable device intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner. The device is for over-the-counter use.
<b>Material use</b>	Nitrile latex compound	Nitrile latex compound
<b>Colour</b>	Black	Blue
<b>Dimensions</b>	Meets ASTM D6319-10	Meets ASTM D6319-00a
<b>Physical properties</b>	Meets ASTM D6319-10	Meets ASTM D6319-00a
<b>Freedom from pinholes</b>	Meets ASTM D6319-10	Meets ASTM D6319-00a
<b>Powder-Free</b>	Meets ASTM D6319-10	Meets ASTM D6319-00a
<b>Biocompatibility test - Primary Skin Irritation Test</b>	Passes	Passes
<b>Dermal Sensitization Assay</b>	Passes	Passes

RS BLACK Black Nitrile Medical Examination Gloves (Powder Free) possesses the following technological characteristics compared to ASTM or Equivalent standards:

Characteristics	Standards	Device Performance
		RS Safe Black Nitrile Medical Examination Gloves (Powder Free)
Dimension	ASTM D 6319-10	Meets
Physical Properties	ASTM D 6319-10	Meets
Freedom from pinholes	ASTM D 6319-10	Meets
Powder-Free	ASTM D 6319-10	Meets
Biocompatibility	Primary Skin Irritation Test Consumer Product Safety Commission, Title 16, Chapter II, Part 1500	Passes
	Dermal Sensitization Assay – ISO 10993-10:2010(E)	Passes

## 7.0 Conclusion

It can be concluded that RS BLACK Black Nitrile Medical Examination gloves (Powder Free) perform according to the glove performance standards ASTM D 6319-10, biocompatibility requirement and FDA requirements and the labeling claims for the product. It is perform as well as the legally marketed predicate devices in 3.0



## DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
10903 New Hampshire Avenue  
Document Control Room -WO66-G609  
Silver Spring, MD 20993-0002

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Ms. Chong Chu Mee  
Technical Manager  
Riverstone Resources Sdn. Bhd.  
Lot 56, NO. 15, Jalan Jasmin 2  
Bukit Beruntung, Selangor  
MALAYSIA 48300

Re: K112924

Trade/Device Name: RS BLACK Black Nitrile Medical Examination Gloves  
(Powder Free)

Regulation Number: 21 CFR 880.6250

Regulation Name: Patient Examination Gloves

Regulatory Class: I

Product Code: LZA

Dated: April 4, 2012

Received: April 4, 2012

Dear Ms. Chu Mee:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOFFICES/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,

*Anthony D. Watson*  
Anthony D. Watson, B.S., M.S., M.B.A.  
Director  
Division of Anesthesiology, General Hospital,  
Infection Control and Dental Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

## **INDICATION FOR USE**

Applicant: Riverstone Resources Sdn. Bhd.

510(K) Number: K112924

Device Name: RS BLACK Black Nitrile Medical Examination Gloves (Powder Free)

A powder-free patient examination gloves is a disposable device intended for medical purposes that is worn on the examiner's hand or finger to prevent contamination between patient and examiner.

Prescription Use \_\_\_\_\_ AND/OR Over-The-Counter Use X  
(Part 21 CFR 801 Subpart D) (21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE OF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Elizabeth P. Chamber - Will

Division Sign-Off)  
Division of Anesthesiology, General Hospital  
Infection Control, Dental Devices

10(k) Number: K112924